

# Lovibond® Colour Measurement

Tintometer® Group



## Visual Tools – Reflectance

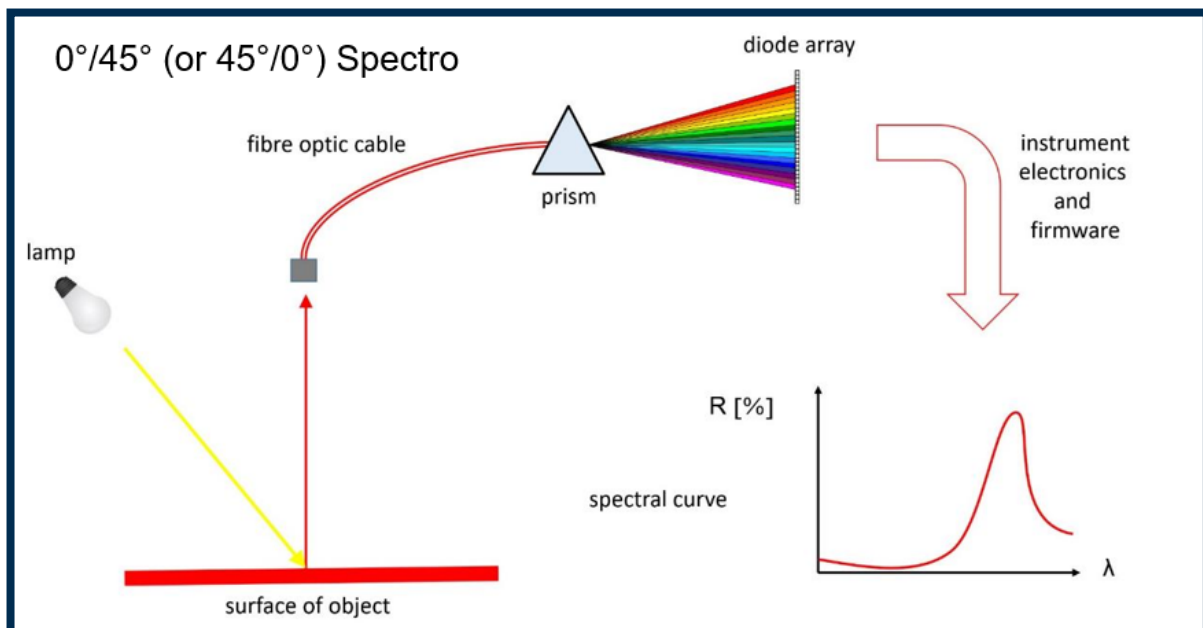
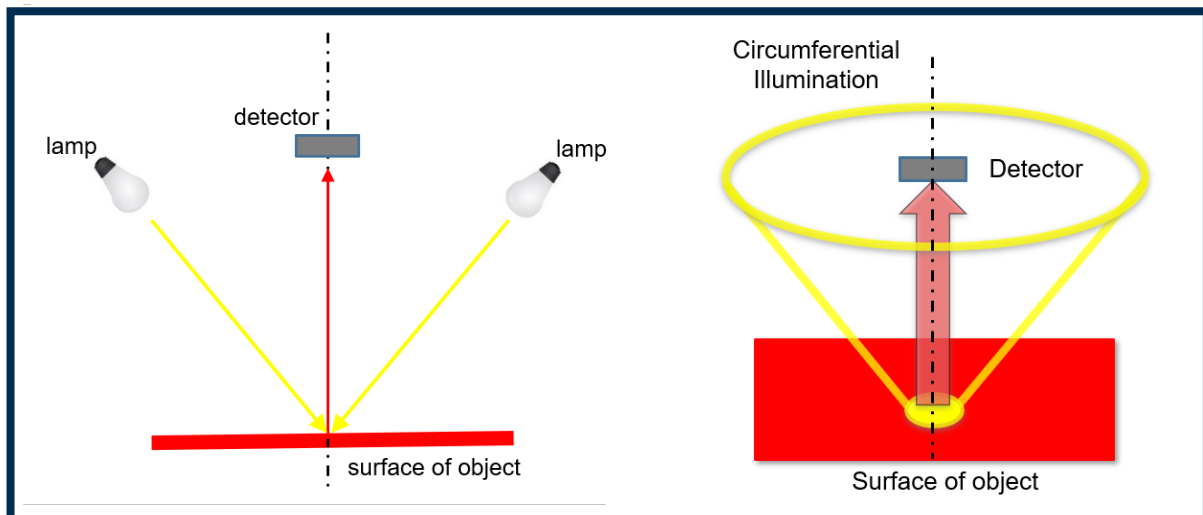
- 0°/45° (or 45°/0°) Geometry
- Sphere Geometry
- CIE LAB Colour Space
- CIE L\*a\*b\* Colour Space: a\* & b\*
- CIE L\*a\*b\* Colour Space: L\*
- Colour Sensing Process

## 0°/45° (or 45°/0°) Geometry

White light from lamp



Reflected light from object

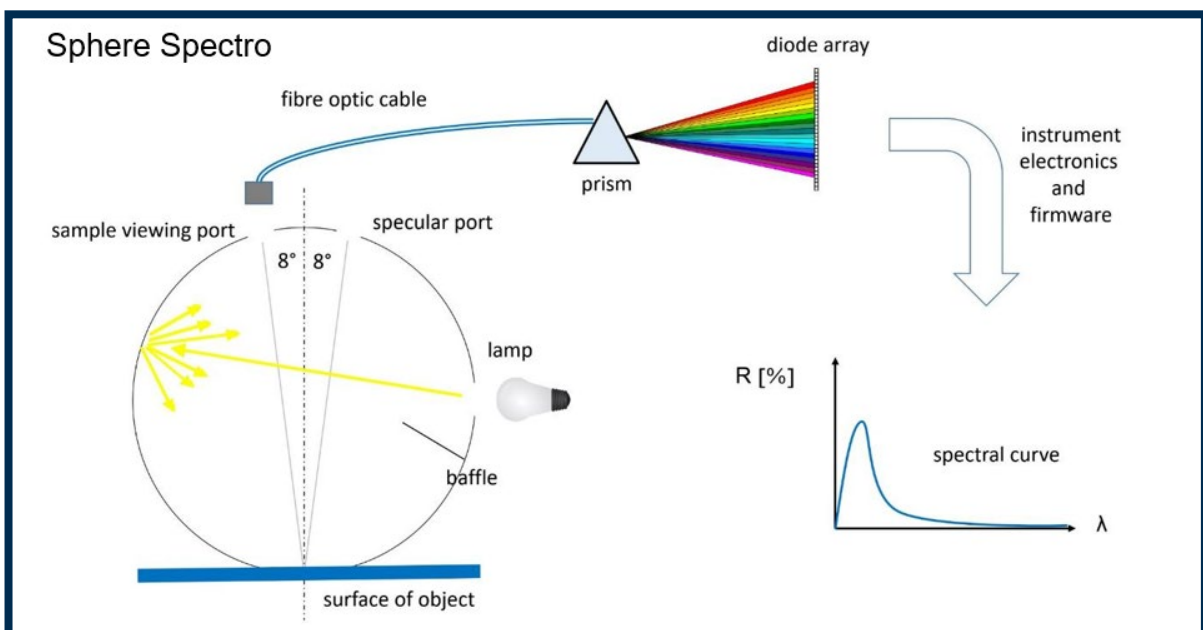
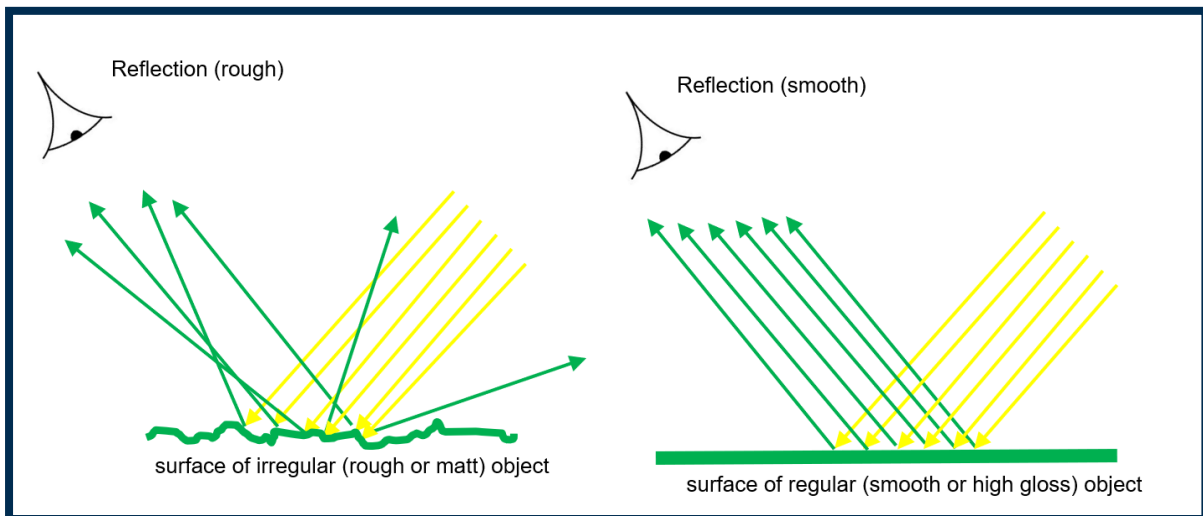


# Sphere Geometry

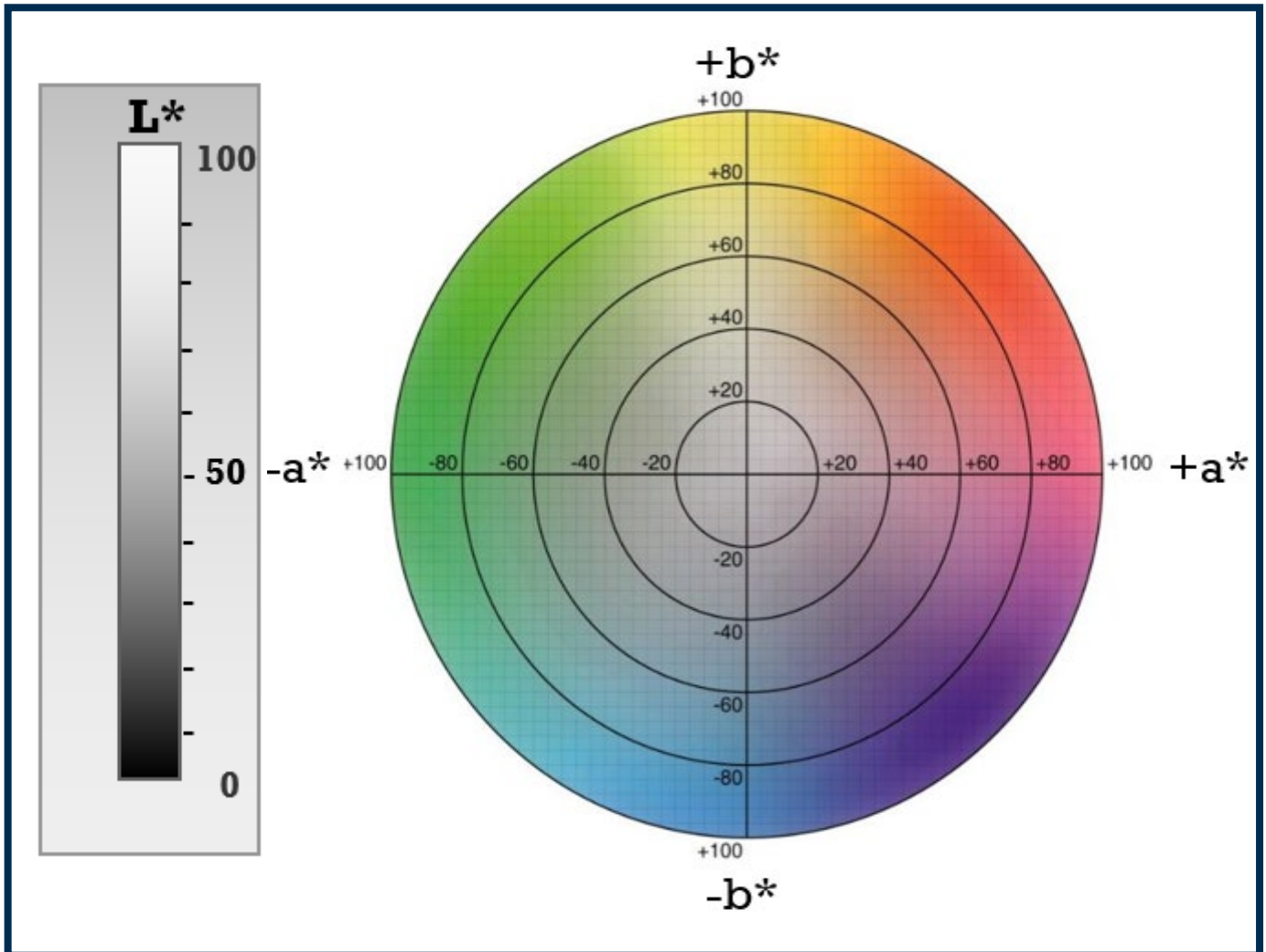
White light



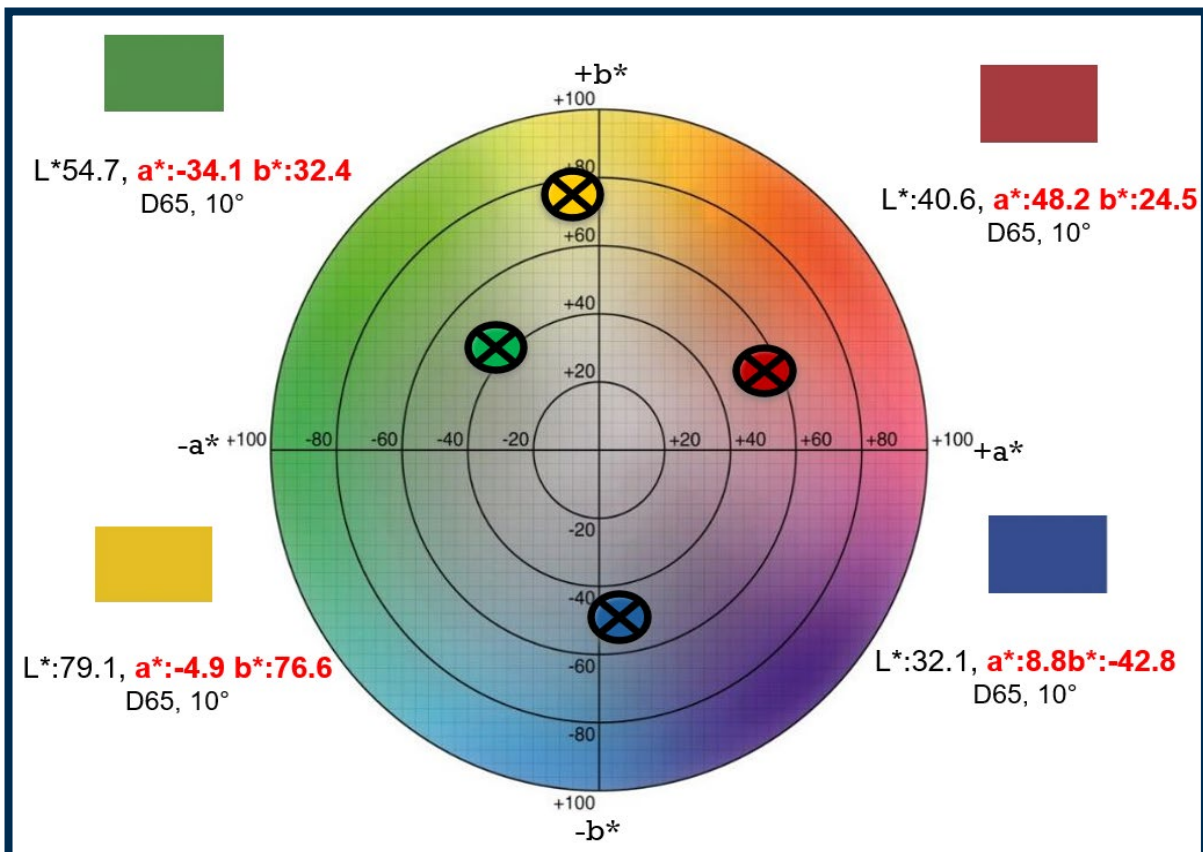
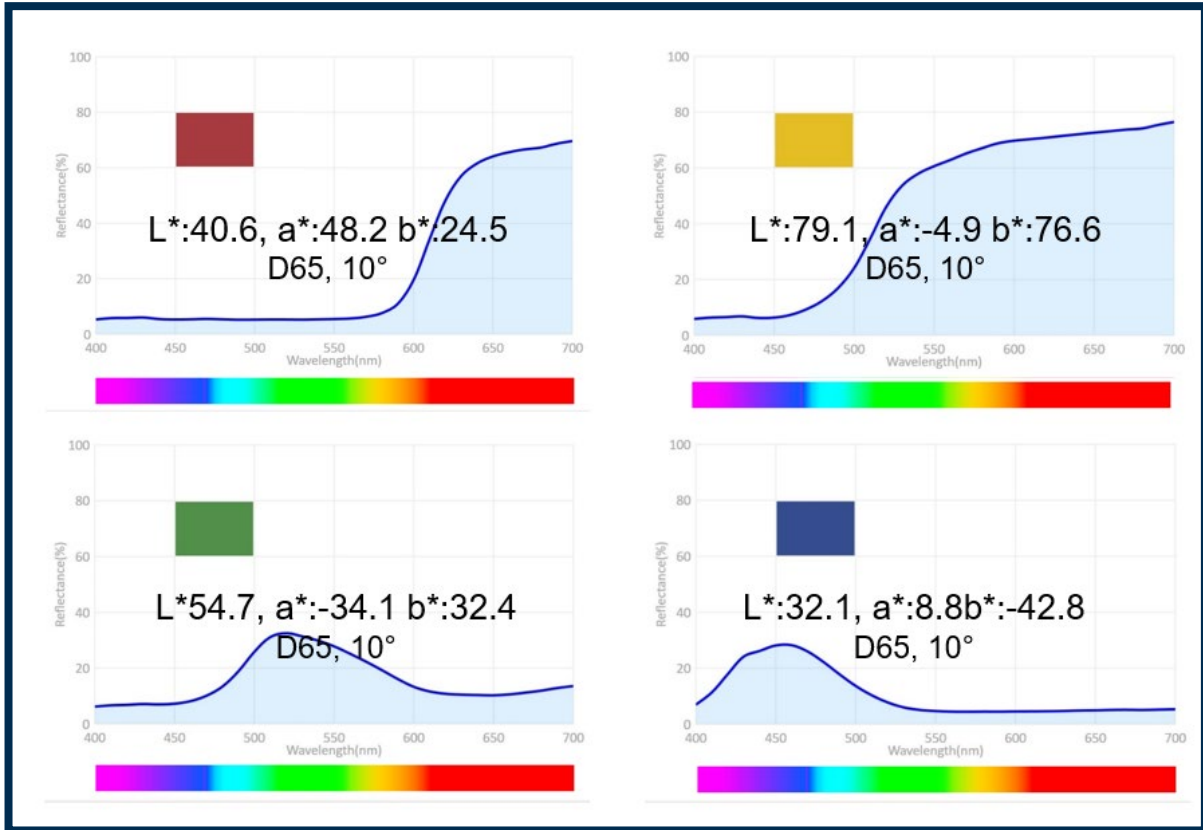
Reflected light



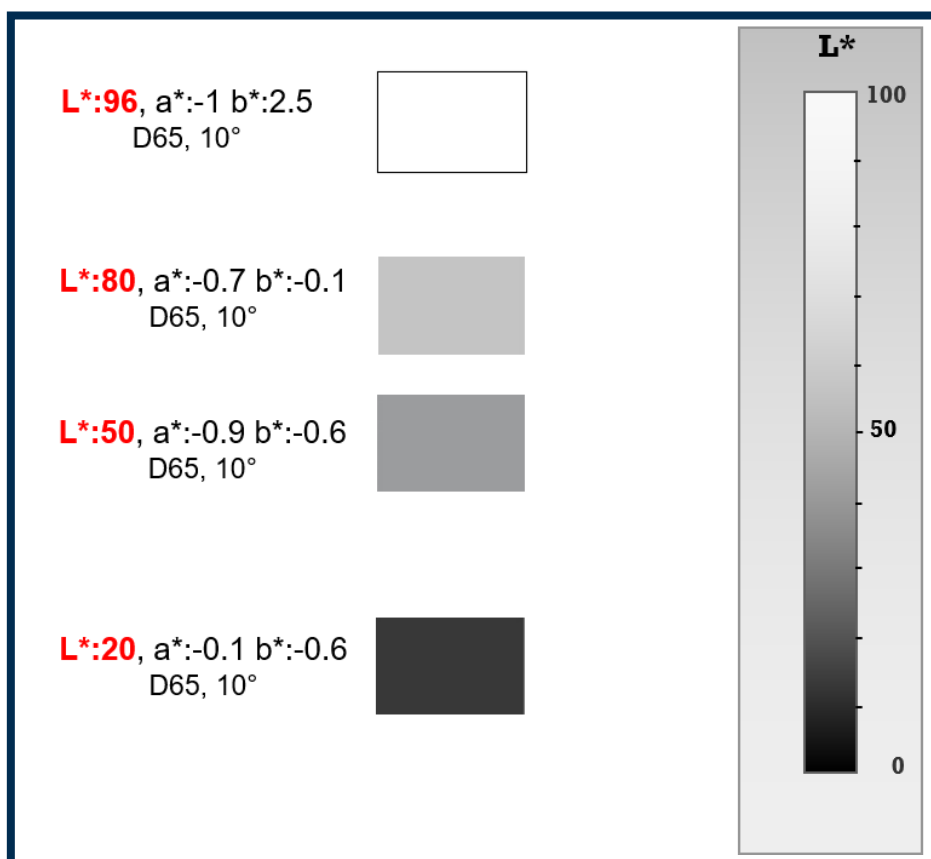
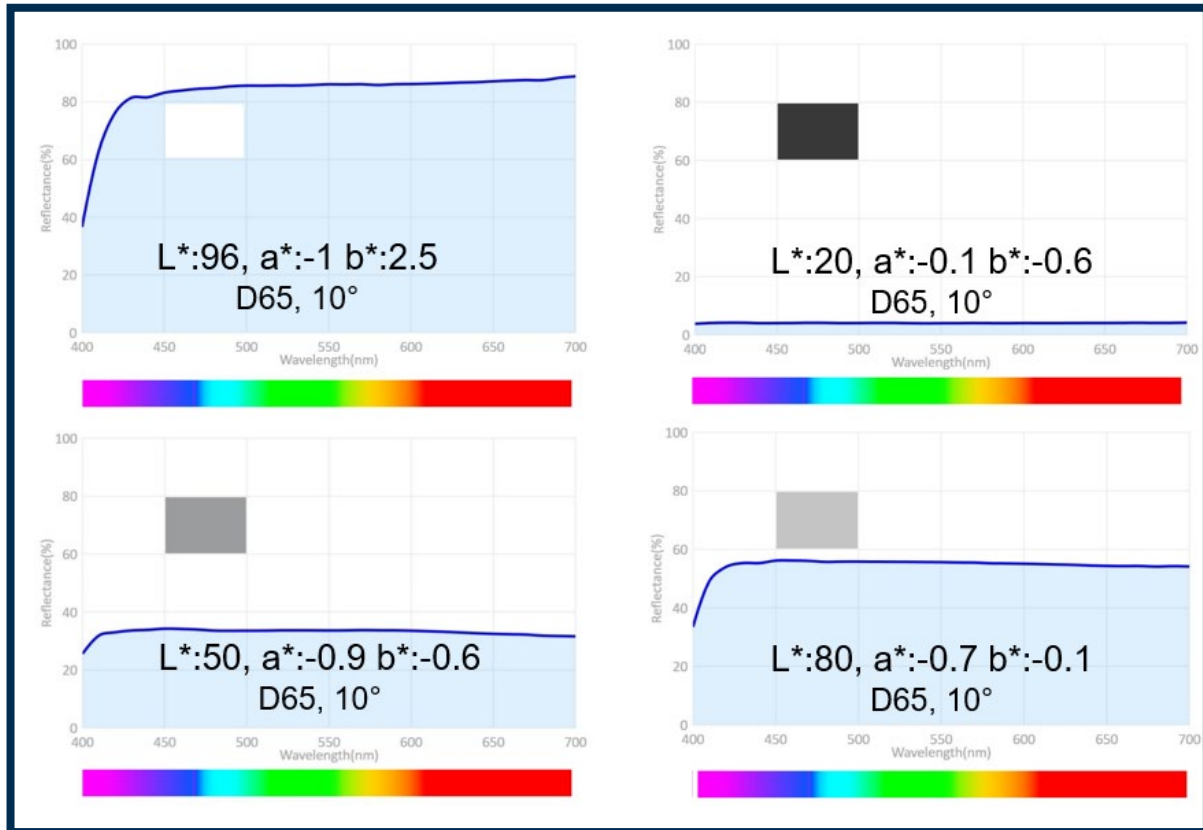
## CIE LAB Colour Space



# CIE L\*a\*b\* Colour Space: a\* & b\*



## CIE L\*a\*b\* Colour Space: L\*

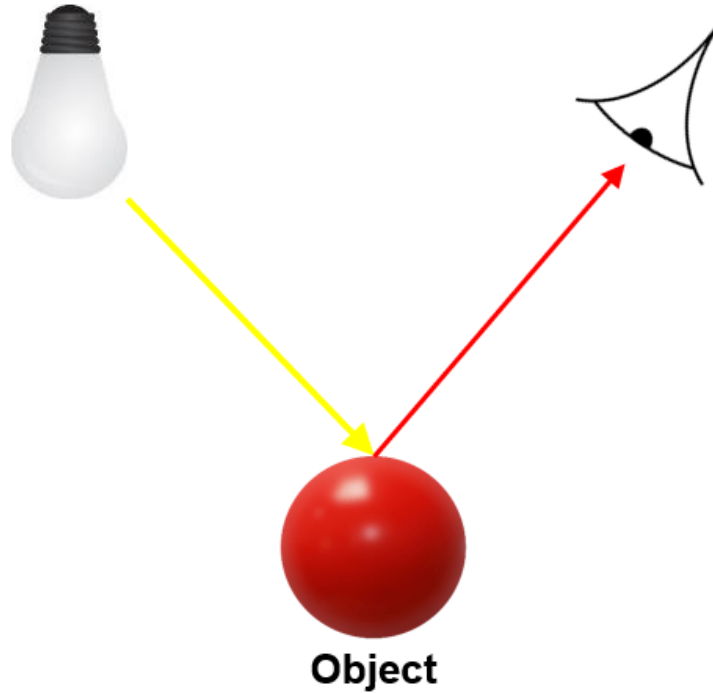




# Colour Sensing Process

Light Source

Observer



X



X



= Numbers

Light Source

Object

Observer

